

ABSTRACT

An electrical power supply system having two batteries

for an electric motor vehicle

5 An electrical power supply system (1) for an electrically powered motor vehicle, said vehicle including an electric motor (3), and a transmission device for transmitting energy between the drive wheels (2) and the motor (3), said vehicle further including electrical accessories (4), in particular an air-conditioning device.

10 Said system (1) comprises a first rechargeable battery (5) serving to power the electric motor (3) and a second rechargeable battery (6) serving to power the electrical accessories (4) of the vehicle, the batteries being connected in parallel to the motor.

The invention also relates to a method for controlling such a system, and to an electric motor including such a system.